



# MCDOT NEWS

News from the Montgomery County Department of Transportation, Division of Highway Services

## Windsor Knolls Paving Project

**Project to Begin on or about March 1, 2012, Includes Road Milling and Paving**

### PURPOSE

This newsletter is to inform you of the upcoming road repairs and resurfacing of the streets in the Windsor Knolls subdivision. This pavement system preservation project employs long term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and will produce a system serviceable for many years. This project falls under the County's Residential Resurfacing Program.

### BACKGROUND

The Montgomery County Department of Transportation's (MCDOT) Division of Highway Services (DHS) maintains over 5,108 lane miles of streets and highways in the county's transportation system. As part of our pavement system preservation efforts, MCDOT initiated a new Pavement Management System in 2008. At that time, MCDOT concluded a complete condition inventory of all County roads, identifying and rating the condition of each. This new system has enabled the development of County-wide road resurfacing schedules based on a formula based objective rating system coupled with budgetary parameters.

### SCOPE OF PROJECT

Overall, pavement conditions in the Windsor Knolls subdivision were generally rated as fair, with some areas described as needing more attention. This rating meets the criteria for Residential Roadway Preservation using hot mix asphalt (HMA) overlay.

### PROJECT WORK PLAN

Generally, the work will proceed as follows:

**1. Conduct survey** — MCDOT inspectors will identify areas of

pavement that, prior to resurfacing, may require full depth asphalt patching of the pavement or other repairs. These areas are marked by white paint.

**2. Full Depth Patching** — Full depth patching restores the pavement's structural integrity and capacity to support vehicle loads. The areas of distressed pavement marked by the MCDOT inspectors is removed and replaced by new pavement. The final paving of the road will cover these patched areas.



Typical paint markings.

**3. Pavement milling/edge milling**— Edge milling/grinding off the edges of the existing pavement near curbs and driveways allows the new pavement to match the level of the existing curbs, etc., and restores the proper highway cross-section to improve rideability and drainage. The new pavement will provide a smoother ride and assure positive drainage.



Typical milling operation

**4. Utility Adjustments** - Sewer and storm drain manholes, water valves and gas valves, and other

underground utility access covers need to be elevated to the same grade as the proposed pavement, usually 1" to 2". During construction activities, all utility surface adjustments will be maintained by the placement of temporary HMA ramps until placement of final paving occurs (up to three weeks depending on other operational requirements).

**5. Crack Sealing** - An additional step may be necessary to seal large cracks that may not require full depth patching. A flexible filler material is injected into the cracks, filling voids and preventing water damage.

**6. Paving with hot mix asphalt** - Asphalt is delivered to the site in dump trucks. The hot material is transferred into the hopper of an asphalt paving machine such as the one depicted in the photo. The paving machine places the hot asphalt in a uniform thickness and provides initial compaction. Following placement, steel wheeled rollers complete the compaction effort until field testing indicates that all relevant specifications have been met.



Typical asphalt paving operation

**7. Replace roadway lane markings** - Permanent lane markings, if existing prior to paving, will be remarked one to two weeks after the paving has been completed.

### SCHEDULE

This project is expected to begin on or about March 1, 2012, and will take 3 to 4 weeks to complete. Weather and other operational requirements may affect the schedule. Work hours will be between 7:00 am and 5:00 pm, Monday through Friday.

### IMPACTS

Continuous traffic will be maintained at all times utilizing lane closures and/or alternating one-way traffic patterns. However, minor traffic delays may be experienced as flaggers manually direct traffic safely through the construction zone. Street paving will necessitate temporary lane closures and temporary parking restrictions. Signs will be posted identifying such restrictions. Access to residences will be available at all times, however minor delays may be experienced as workers restrict traffic from freshly placed hot mix asphalt.

Generally speaking this work is best characterized as noisy and disruptive. However, MCDOT and its contractors will take all necessary steps to mitigate any inconveniences this work may cause.

Quality control for the entire project will be managed by County inspection staff to ensure that the project meets contract specifications.

*We apologize in advance for any unavoidable inconvenience and thank you for your cooperation and patience as we work to improve the Windsor Knolls subdivision for residents and users.*



**MONTGOMERY COUNTY, MARYLAND**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAY SERVICES**  
100 EDISON PARK DRIVE, 4th FLOOR, GAITHERSBURG, MD 20878  
(240) 777-6000      [www.montgomerycountymd.gov/mcdot](http://www.montgomerycountymd.gov/mcdot)

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## **NOTICE OF WINDSOR KNOLLS RESIDENTIAL PAVING PROJECT**

### **SAFETY NOTICE**

Please drive gently and safely through the work site and kindly remember that while repair work is underway, personnel and construction vehicles will be moving around the site. Some materials may be stored in the area. Please use caution when walking or driving through the construction zone. Children may be attracted to the noise and machinery, so we ask that you please keep all children under close supervision at all times, even after the work is completed for the day. Also, please follow the direction of flaggers and temporary signs and traffic control devices. We appreciate your patience and cooperation while we make these much needed improvements to the infrastructure.

### **IMPORTANT MCDOT CONTACTS**

**Project Manager:**

Nicholas Boone      240-777-7648

**Patching Contractor:**

R.F. Kline Construction      301-662-8211

**Program Manager:**

Donald Noble      240-777-7601

**DHS Customer Service Center:**

240-777-6000      FAX: 240-777-7670

**DHS Email:**

[mcdot.highway@montgomerycountymd.gov](mailto:mcdot.highway@montgomerycountymd.gov)

**Web site:**

<http://www.montgomerycountymd.gov/hwytmpl.asp?url=/content/dot/highway/index.asp>

On the map, click on the **Bethesda Service Area**, where information is available describing the roadway evaluations and repair processes.

